

**Kalajda, O. F.**

**Two-sided numerical methods of solution of heterogeneous one-dimensional integral equations of second kind.** (Ukrainian. English summary) [Zbl 0979.65117](#)

Visn., Ser. Fiz.-Mat. Nauky, Kyïv. Univ. Im. Tarasa Shevchenka 2000, No. 4, 82-85 (2000).

Summary: With the help of two-sided formulas of numerical integration some two-sided numerical and numerical-analytical methods for the solution of one-dimensional linear heterogeneous and nonlinear integral equations of the second kind are developed. These methods give a practical possibility to approximate the solutions with the prescribed accuracy.

**MSC:**

[65R20](#) Numerical methods for integral equations

[45A05](#) Linear integral equations

[45G10](#) Other nonlinear integral equations

**Keywords:**

linear heterogeneous equations; nonlinear integral equations of the second kind; numerical-analytical methods; two-sided methods